

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dai Huang
Serial No: 10/760,946
Filed: January 20, 2004
For: Apparatus For The Manufacture Of Carbon/Carbon Composites
Group No. Unknown
Attorney's Docket No. P2019-1/N1062
Customer No. 23456

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56, applicant hereby calls to the attention of the Patent and Trademark Office the following patents and other documents which are listed on attached Form PTO-1449.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

1. U.S. Patent No. 3,001,237 filed Sept. 26, 1961, by Balaguer.
2. U.S. Patent No. 4,457,967 filed July 3, 1984, by Chareire, et al.
3. U.S. Patent No. 4,722,817 filed Feb. 2, 1988, by Nakano, et al.
4. U.S. Patent No. 5,009,823 filed April 23, 1991, by Kromrey.
5. U.S. Patent No. 5,202,293 filed April 13, 1993, by Okamoto, et al.
6. U.S. Patent No. 5,294,382 filed March 15, 1994, by Goldberger
7. U.S. Patent No. 5,298,311 filed March 29, 1994, by Bentson, et al.

8. U.S. Patent No. 5,306,678 filed April 26, 1994, by Yoshida, et al.
9. U.S. Patent No. 5,439,080 filed Aug. 8, 1995, by Haneda, et al.
10. U.S. Patent No. 5,525,558 filed June 11, 1996, by Niwa, et al.
11. U.S. Patent No. 5,556,704 filed Sept. 17, 1996, by Prevorsek, et al.
12. U.S. Patent No. 5,609,707 filed March 11, 1997, by Bazshushtari, et al.
13. U.S. Patent No. 5,744,075 filed April 28, 1998, by Klett, et al.
14. U.S. Patent No. 5,979,615 filed Nov. 9, 1999, by Thompson, et al.
15. U.S. Patent No. 5,989,504 filed Nov. 23, 1999, by Wilson, et al.
16. U.S. Patent No. 5,993,905 filed Nov. 30, 1999, by Sheehan.
17. U.S. Patent No. 6,051,167 filed April 18, 2000, by Withers, et al.
18. U.S. Patent No. 6,093,482 filed July 25, 2000, by Park, et al.
19. U.S. Patent No. 6,132,877 filed Oct. 17, 2000, by Winckler, et al.
20. U.S. Patent No. 6,148,785 filed Nov. 21, 2000, by Rivers, et al.
21. U.S. Patent No. 6,183,583 filed Feb. 6, 2001, by Duval, et al.
22. Foreign Patent No. 6-128061 filed May 10, 1994, Japan
23. Foreign Patent No. 11-349924 filed Dec. 21, 1999, Japan
24. Foreign Patent No. 3-197358 filed Aug. 28, 1991, Japan
25. Foreign Patent No. 4-154663 filed May 27, 1992, Japan
26. Foreign Patent No. 62-212263 filed Sept. 18, 1987, Japan
27. Foreign Patent No. 63-112463 filed May 17, 1988, Japan
28. Foreign Patent No. 63-139053 filed June 10, 1988, Japan
29. Foreign Patent No. 63-151677 filed June 24, 1988, Japan

(See "Other Art" as listed in Form PTO-1449)

Copies of the listed documents were previously submitted in a prior application, serial no. 10/205,859, filing date July 26, 2002, upon which applicant relies for the benefits provided in 35 U.S.C. § 120.

Applicant respectfully requests that these references be considered by the Examiner and made of record as part of the "available prior art" under 37 C.F.R. §1.104.

The Commissioner is authorized to charge any deficiency or credit any overpayment in connection with this Information Disclosure Statement to Deposit Account No. 21-0010.

Respectfully submitted,



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CERTIFICATE OF FIRST CLASS MAILING

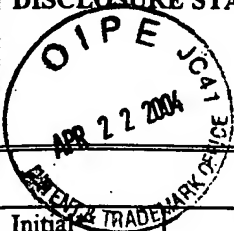
I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

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Alexandria, VA 22313-1450

on April 19, 2004.

James R. Cartiglia

Registration No. 30,738

Subst. Form PTO-1449
APPLICANT'S(S) INFORMATION
DISCLOSURE STATEMENT


Atty. Docket No.:

P2019-1 / N1062

Serial No.:

10/760,946

Applicant(s): Huang, et al.

Filing Date:

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Group: Unknown

U.S. PATENT DOCUMENTS

Initial	Document No.	Date	Name	Class	Subcl.	Filing Date
AA	3,001,237	26SE1961	Balaguer			
AB	4,457,967	03JL1984	Chaire et al.			
AC	4,722,817	02FE1988	Nakano et al.			
AD	5,009,823	23AP1991	Kromrey			
AE	5,202,293	13AP1993	Okamoto et al.			
AF	5,294,382	15MR1994	Goldberger			
AG	5,298,311	29MR1994	Bentson et al.			
AH	5,306,678	26AP1994	Yoshida et al.			
AI	5,439,080	08AU1995	Haneda et al.			
AJ	5,525,558	11JE1996	Niwa et al.			
AK	5,556,704	17SE1996	Prevorsek et al.			

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subcl.	Translation?
AM 6-128061	10MY1994	Japan			
AN 11-349924	21DE1999	Japan			
AO 3-197358	28AU1991	Japan			

OTHER ART

AP	<i>Carbon Fiber/Carbon Composites: Production, Properties and Applications,</i> Introduction to Carbon Technologies", Eds. Marsh, et al., University of Alicante 1997.
AQ	Nakagawa, et al., <i>Improved Manufacturing Process for Carbon/Carbon Composites and Their Mechanical Properties and Uses</i> , Ind Heating, 61:37-40 (Aug. 1994); Journal.
AR	Park, Yang-Duk, et al., <i>Fabrication of C/C Composites by Hot-Pressing of Pitch-Impregnated Fabrics</i> , IN: Carbon '92 . . Essen, June 22-26, 1992, p. 744-746; TP-245.C4-D48-1992-Ref.
AS	Sudani, Kiyoshi, et al., <i>Carbon Fiber-Reinforced Carbon Composite Produced With a Pitch Binder</i> , Tetsu-To-Hagane, 75:1426-1433 (No. 9, 1989); CA112:61522Z; not owned.
AT	Sudani, Kiyoshi, et al., <i>Carbon Fiber Reinforced Carbon Composite Produced With Pitch Binder</i> , Tetsu-To-Hagane, 75:1426 (1989), Abstract in ISIJ, Intern., 29:A-75 (No. 10, 1989); not owned.

Examiner:

Date Considered:

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

Subst. Form PTO-1449 APPLICANT'S(S) INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: P2019-1 / N1062		Serial No.: 10/760,946			
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U.S. PATENT DOCUMENTS							
Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
	BA	5,609,707	11MR1997	Bazshushtari et al.			
	BB	5,744,075	28AP1998	Klett et al.			
	BC	5,979,615	09NO1999	Thompson et al.			
	BD	5,989,504	23NO1999	Wilson et al.			
	BE	5,993,905	30NO1999	Sheehan			
	BF	6,051,167	18AP2000	Withers et al.			
	BG	6,093,482	25JL2000	Park et al.			
	BH	6,132,877	17OC2000	Winckler et al.			
	BI	6,148,785	21NO2000	Rivers et al.			
	BJ	6,183,583 B1	06FE2001	Duval et al.			
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subcl.	Translation?
	BK	4-154663	27MY1992	Japan			
	BL	62-212263	18SE1987	Japan			
	BM	63-112463	17MY1988	Japan			
	BN	63-139053	10JE1988	Japan			
	BO	63-151677	24JE1988	Japan			
OTHER ART							
	BP	Chang, Tongshik, et al., <i>Fabrication of Carbon - Carbon Composites by Using Carbon Fibers Impregnated With Resin and Their Mechanical Properties</i> , Iron Steel Inst., Japan, Trans., 27:229-237 (No. 3, 1987), Based on paper presented to the 111th ISIJ Meeting, Apr., 1986, S712, at the Univ. of Tokyo in Tokyo, Journal.					
	BQ	Rogailin, M.I., et al., <i>Formation of a Composite Carbon-Carbon Material and Study of Its Properties</i> , Solid Fuel Chem., 19:132-137 (No. 4, 1985), Translated from Khim. Tverd. Topl., 19:137-142 (No. 4, 1985), Journal.					
	BR	Anzai, Masahiro, et al., <i>Development of Carbon/Carbon Composites by Hot Pressing</i> , 13P. Frank C. Farnham Co. Translation, Translated from Seisan Kenky, 36:425-428 (No. 9, 1984); 85-2854-PR.					
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